

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Patent Claims

1 – 7. (Cancelled)

8. (Currently Amended) ~~Washing nozzle according to Claim 7, A washing nozzle for use on vehicles for applying a liquid cleaning or washing medium, comprising at least one nozzle channel in a nozzle body, comprising at least one nozzle opening formed by said at least one nozzle channel for the exit of at least one nozzle jet comprising at least one supply line which opens into said at least one nozzle channel for supplying the cleaning medium, and comprising at least one section in said at least one nozzle channel for generating at least one primary or main jet from the cleaning medium, characterized by means for acting on said at least one primary or main jet with a collision jet within the nozzle body in a collision and/or mixing chamber provided upstream of the nozzle opening in the flow direction.~~

wherein said at least one nozzle channel has at least two channel sections having a reduced cross section, and

~~characterized in that~~wherein the axes of the channel sections enclose an angle (α) with one another and open out in a diverging manner from a chamber connected to a supply line into the collision and/or mixing chamber.

9. (Currently Amended) ~~Washing nozzle according to claim 7,~~ A washing nozzle for use on vehicles for applying a liquid cleaning or washing medium, comprising at least one nozzle channel in a nozzle body, comprising at least one nozzle opening formed by said at least one nozzle channel for the exit of at least one nozzle jet comprising at least one supply line which opens into said at least one nozzle channel for supplying the cleaning medium, and comprising at least one section in said at least one nozzle channel for generating at least one primary or main jet from the cleaning medium, characterized by means for acting on said at least one primary or main jet with a collision jet within the nozzle body in a collision and/or mixing chamber provided upstream of the nozzle opening in the flow direction,

wherein said at least one nozzle channel has at least two channel sections having a reduced cross section, and

~~characterized in that the~~ wherein said at least two channel sections having a reduced cross section are arranged with their axes in a common plane (XZ plane).

10. (Currently Amended) ~~Washing~~ The washing nozzle according to Claim 9, characterized in that, wherein when the washing nozzle is formed with a slot-shaped nozzle opening in order to generate a fan-shaped or flat nozzle jet, the common plane (XZ plane) lies parallel to the longer side of the slot-shaped nozzle opening.

11 - 13. (Cancelled)

14. (Currently Amended) ~~Washing nozzle according to claim 1,~~ A washing nozzle for use on vehicles for applying a liquid cleaning or washing medium, comprising at least one nozzle channel in a nozzle body, comprising at least one nozzle opening formed by said at least one nozzle channel for the exit of at least one nozzle jet comprising at least one supply line which opens into said at least one nozzle channel for supplying the cleaning medium, and comprising at least one section in said at least one nozzle channel for generating at least one primary or main jet from the cleaning medium, characterized by means for acting on said at least one primary or main jet with a collision jet within the nozzle body in a collision and/or mixing chamber provided upstream of the nozzle opening in the flow direction, and

characterized in that the wherein said at least one nozzle channel has at least two parallel channel sections which are each connected to a supply line for the liquid cleaning medium and of which one channel section has the region for forming the main jet and the other channel section ends downstream of the region for forming the main jet in the flow direction and is connected there to the collision and/or mixing chamber.

15. (Currently Amended) ~~Washing~~ The washing nozzle according to Claim 14, ~~characterized in that~~ wherein the other channel section is connected over its entire length to the first channel section.

16. (Currently Amended) ~~Washing~~ The washing nozzle according to Claim 14, ~~characterized in that~~ wherein the channel sections are connected to a common supply line.

17. (Currently Amended) ~~Washing~~The washing nozzle according to claim 14, ~~characterized in that~~wherein the first channel section has, starting from the supply line, in a first axis direction (X-axis), one after the other, a first part-section which extends in the flow direction, then a second part-section which narrows and expands again in at least a second axis (Z-axis) perpendicular to the first axis (X-axis), and then a third part-section which increasingly widens in at least a cross-sectional axis (Z-axis) and ends in the nozzle opening.

18. (Currently Amended) ~~Washing~~The washing nozzle according to Claim 17, ~~characterized in that~~wherein the first part-section and/or the second part-section and/or the third part-section have a constant or almost constant dimension in a third axis (Y-axis) perpendicular to the second axis (Z-axis).

19. (Currently Amended) ~~Washing~~The washing nozzle according to Claim 17, ~~characterized in that~~wherein the other channel section has a constant or almost constant width in the second axis direction (Z-axis), for example a width which is equal to or almost equal to the width of the first part-section of the first channel section.

20. (Currently Amended) ~~Washing~~The washing nozzle according to claim 14, ~~characterized in that~~wherein the other channel section has a cross section which is smaller than the cross section of the first channel section.

21. (Currently Amended) ~~Washing~~The washing nozzle according to claim 18, ~~characterized in that~~wherein the other channel section has in the third axis (Y-axis) a cross-sectional dimension which is smaller than the cross-sectional dimension which the first channel section has in this third axis (Y-axis).

22. (Currently Amended) ~~Washing nozzle according to claim 1,~~ A washing nozzle for use on vehicles for applying a liquid cleaning or washing medium, comprising at least one nozzle channel in a nozzle body, comprising at least one nozzle opening formed by said at least one nozzle channel for the exit of at least one nozzle jet comprising at least one supply line which opens into said at least one nozzle channel for supplying the cleaning medium, and comprising at least one section in said at least one nozzle channel for generating at least one primary or main jet from the cleaning medium, characterized by means for acting on said at least one primary or main jet with a collision jet within the nozzle body in a collision and/or mixing chamber provided upstream of the nozzle opening in the flow direction, and

~~characterized in that~~wherein the nozzle body is made in two parts, and in that the ~~said at least one~~ nozzle channel or the channel sections are formed by recesses or depressions on adjoining surfaces of the parts of the nozzle body.

23. (Currently Amended) ~~Washing~~The washing nozzle according to claim 14,
~~characterized in that~~wherein the end of the other channel section which is remote from the supply line forms a deflection surface for deflecting the collision jet into the collision and/or mixing chamber.

24. (Cancelled)

25. (Currently Amended) ~~The washing system as recited in claim 24~~ A washing system for use on vehicles for applying a fluid medium, comprising:

a nozzle body comprising at least one nozzle channel and at least one nozzle opening in communication with said at least one nozzle channel, respectively, for the exit of at least one nozzle jet of the fluid medium; and

at least one supply channel in communication with said at least one nozzle channel;

said at least one nozzle channel comprising a first section for generating at least one first jet of fluid medium and a second section for providing at least one collision jet of fluid medium for colliding with said at least one first jet of fluid medium in a mixing chamber in said nozzle body; said second section being located upstream of said at least one nozzle opening; and

wherein said first section is located upstream of said mixing chamber.

26. (Currently Amended) ~~The washing system as recited in claim 24~~ A washing system for use on vehicles for applying a fluid medium, comprising:

a nozzle body comprising at least one nozzle channel and at least one nozzle opening in communication with said at least one nozzle channel, respectively, for the exit of at least one nozzle jet of the fluid medium; and

at least one supply channel in communication with said at least one nozzle channel;

said at least one nozzle channel comprising a first section for generating at least one first jet of fluid medium and a second section for providing at least one collision jet of fluid medium for colliding with said at least one first jet of fluid medium in a mixing chamber in said nozzle body; said second section being located upstream of said at least one nozzle opening; and

wherein said first section is formed by at least one narrowing or adjoining expansion in said at least one nozzle channel in a direction of fluid flow.

27. (Previously Presented) The washing system as recited in claim 26 wherein said at least one narrowing or adjoining expansion is provided by defining said at least one supply channel to comprise a cross section at said first section to be smaller than a cross section of said at least one nozzle opening.

28 – 30. (Cancelled)

31. (Currently Amended) ~~The washing system as recited in claim 24~~ A washing system for use on vehicles for applying a fluid medium, comprising:

a nozzle body comprising at least one nozzle channel and at least one nozzle opening in communication with said at least one nozzle channel, respectively, for the exit of at least one nozzle jet of the fluid medium; and

at least one supply channel in communication with said at least one nozzle channel;

said at least one nozzle channel comprising a first section for generating at least one first jet of fluid medium and a second section for providing at least one collision jet of fluid medium for colliding with said at least one first jet of fluid medium in a mixing chamber in said nozzle body; said second section being located upstream of said at least one nozzle opening; and

wherein said at least one nozzle channel comprises a plurality of parallel channel sections that are each connected to a supply line of a supply of said fluid medium.

32. (Currently Amended) The washing system as recited in claim 31 wherein a first one of said ~~a~~ plurality of parallel channel sections providing said at least one first jet of fluid medium and a second one of said ~~a~~ plurality of parallel channel sections providing said at least one collision jet of fluid medium, wherein said second one of said plurality of parallel channel sections is associated with said mixing chamber and is downstream of said first one of said plurality of parallel channel sections.

33. (Currently Amended) The washing system as recited in claim ~~33~~32 wherein said second one of said plurality of parallel channel sections is in fluid communication with said first one of said plurality of parallel channel sections over its entire length.

34. (Currently Amended) The washing system as recited in claim 33 wherein said second one of said plurality of parallel channel sections and said first one of said plurality of parallel channel sections are coupled to a common fluid supply line.

35 – 36. (Cancelled)